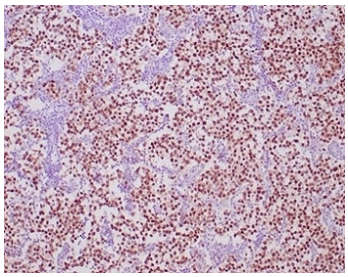
POU5F1 Antibody / OCT4 [clone OCT4/6847R] (V4000)

Catalog No.	Formulation	Size
V4000-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4000-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4000SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

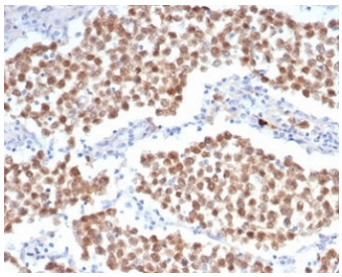
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	OCT4/6847R
Purity	Protein A/G affinity
UniProt	Q01860
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This POU5F1 antibody is available for research use only.



IHC staining of FFPE human seminoma tissue with OCT4 antibody (clone OCT4/6847R) at 2ug/ml. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human seminoma tissue with OCT4 antibody (clone OCT4/6847R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

OCT4/POU5F1 is a member of the POU family of transcription factors, involved in the regulation of pluripotency during normal development and is detectable in embryonic stem and germ cells. It is a key regulator of self-renewal in embryonic stem cells; its expression is potentially correlated with tumorigenesis and can affect tumor recurrence or resistance to therapies. OCT4/POU5F1 is expressed in undifferentiated pluripotent cells, germ cells in ovary and testis.

Application Notes

Optimal dilution of the POU5F1 antibody should be determined by the researcher.

Immunogen

Recombinant fragment from the human protein was used as the immunogen for the POU5F1 antibody.

Storage

Aliquot the POU5F1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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